

## ABSTRACT

5     An averaging circuit includes: input signal nodes for  
providing input signals 330; a multiplexing circuit 320 coupled  
to the input signal nodes for switching between the input signals  
330 to create a time waveform; a low pass filter 300 coupled to  
an output 340 of the multiplexing circuit 320 for filtering the  
time waveform to create an average signal; and an average  
10    replication circuit 310 coupled to an output 350 of the low pass  
filter 300.